



Battelle
The Business of Innovation

***Managing Climate Change and Securing a
Future for the Midwest's Industrial Base***



David Ball
MRCSP Project Manager

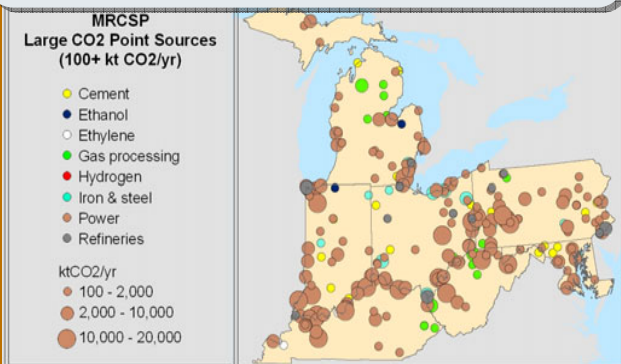
Sixth Annual Conference on Carbon Capture and Sequestration
May 9, 2007, Pittsburgh, PA
DOE Cooperative Agreement No. DE-FC26-05NT42589

The MRCSP's mission is to be the premier resource for sequestration knowledge in its region

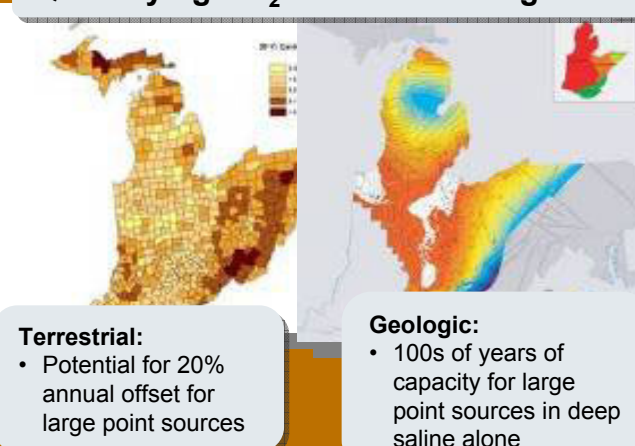
Phase I, Characterization, Oct 2003 – Sep 2005:

Defining Regional Characteristics

- 1/6 of the U.S. Economy
- 300 Large Point Sources,
- 800 Million tonnes CO₂/year



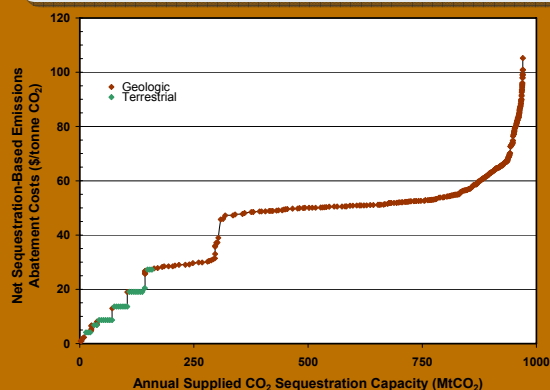
Quantifying CO₂ Sinks in the Region



Outreach



Developing a Regional Model of the Economics of Sequestration



Capture Assessment



Phase II Implementation Oct 2005 – Sep 2009:



Geological



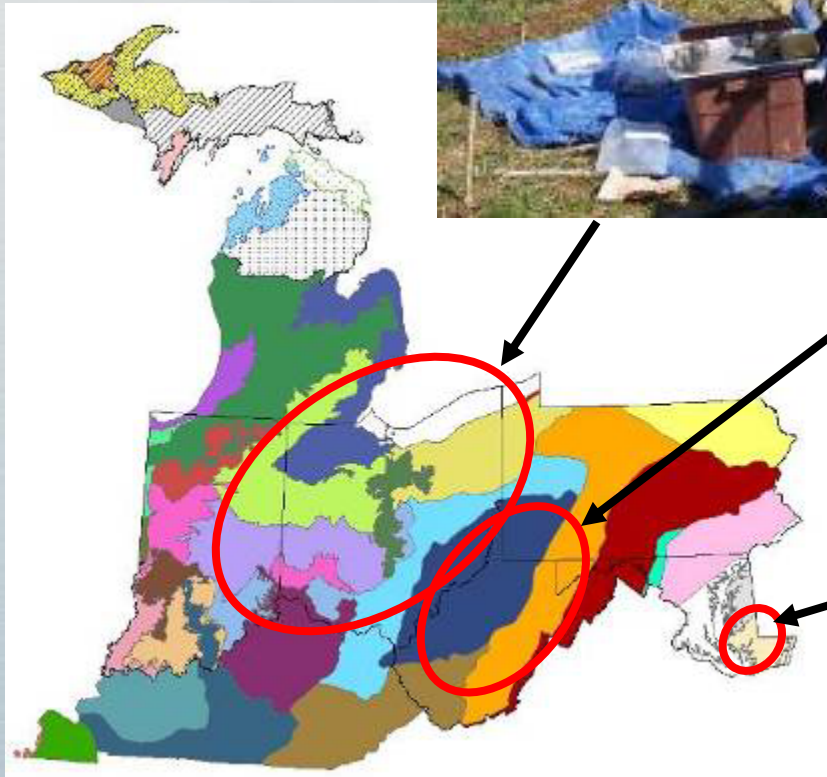
Terrestrial

Three terrestrial field projects are underway

Croplands



Reclaimed Minelands



Wetlands

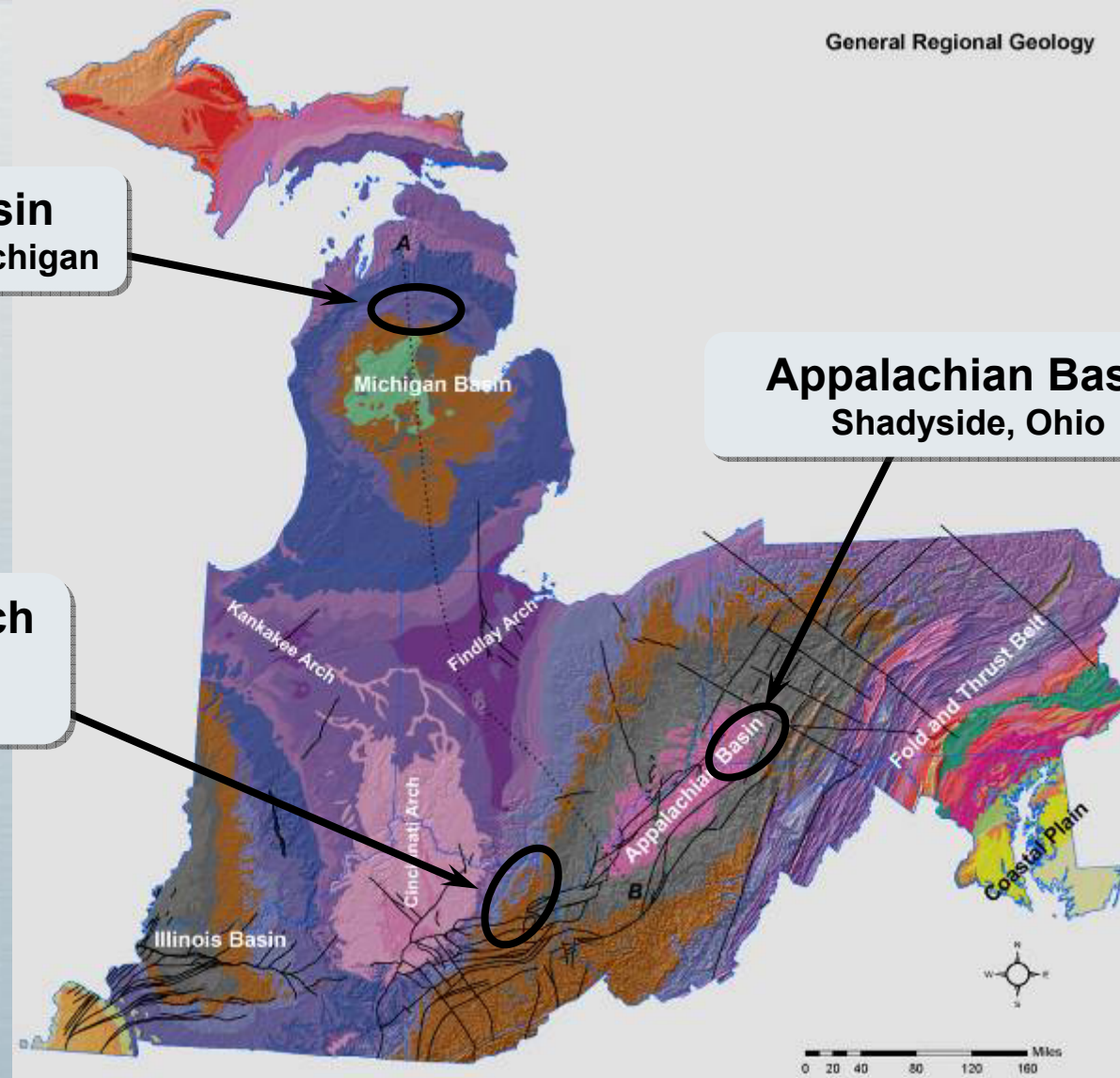
Three geologic field projects are underway

General Regional Geology

Michigan Basin
Otsego County, Michigan

Appalachian Basin
Shadyside, Ohio

Cincinnati Arch
Rabbit Hash,
Kentucky

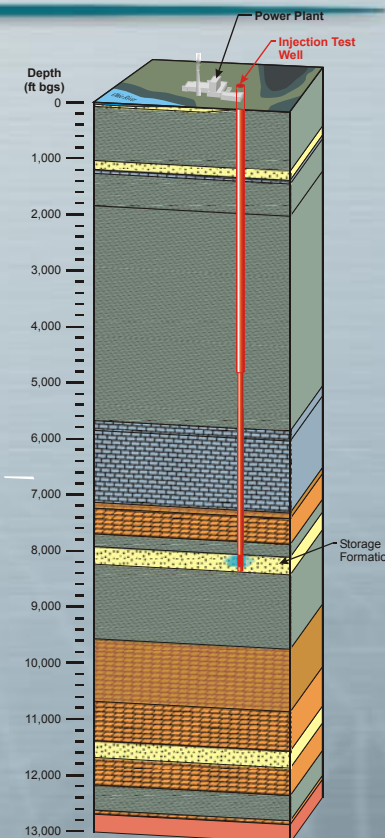


Appalachian Basin Site – FirstEnergy

R. E. Burger Power Plant



Powerspan ECO
Pilot Plant

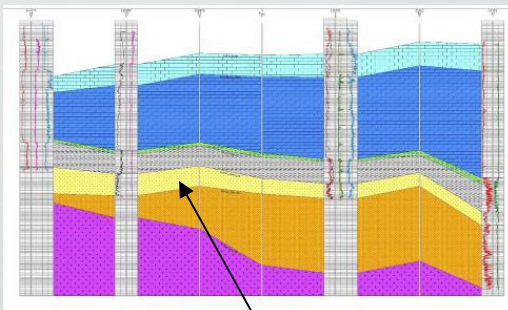


8000 Foot Test Well,
January, 2007



Seismic Survey, July 2006

Cincinnati Arch Site – Duke Energy



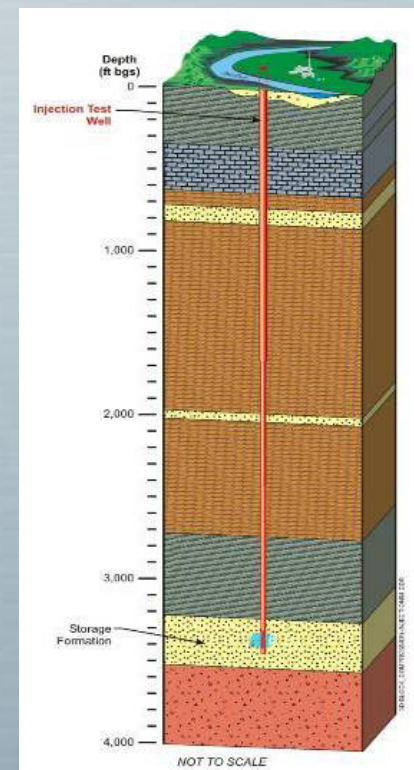
Injection Target,
Mt. Simon



Seismic Survey
October, 2006



East Bend Station



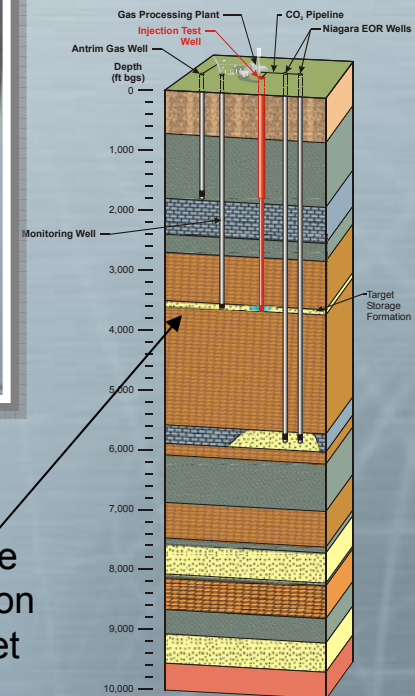
Test Well
Fall 2007

Michigan Basin Site

Existing EOR Infrastructure



5000 Foot Deep Test Well
November 2006



MRCSP Partners



U.S. Department of Energy/NETL



Thank You

